

REMARKS

INTRODUCTION

In accordance with the foregoing, claims 1 and 9 have been amended. Claims 4 and 14 have been cancelled. Claims 1, 5-7, 9, 10 and 15-17 are pending in the application.

CLAIM REJECTIONS

Claims 1, 4, 5, 7, 9, 10, 14, 15 and 17 were rejected under 35 USC 102(b) as being anticipated by Masayuki (JP 10-162464) (hereinafter "Masayuki").

Claims 6 and 16 were rejected under 35 USC 103(a) as being unpatentable over Masayuki in view of Bronshvatch et al. (US 5,528,434) (hereinafter "Bronshvatch").

Masayuki discusses a magnetic disk device to surely hold magnetic disks by using a common disk retainer even when the number of mounting magnetic disks is changed. In Masayuki, a hub 38 of a spindle motor 18 is mounted with plural magnetic disks 16a and 16b in the layer state. The disk retainer 50 in a discoid shape is screw-fitted on the upper end of the hub by fixing screws 52. The disk retainer is formed with a 1st holes for obtaining clamp force, required for mounting two magnetic disks and a 2nd holes for obtaining clamp force required for mounting three magnetic disks. The 2nd holes are provided in positions separated from the 1st holes as against the center of the disk retainer respectively. The disk retainer is fixed to the hub by screwing it with fixing screws through the 1st or 2nd holes in accordance with the number of mounting magnetic disks. Masayuki, English Abstract.

Bronshvatch discloses a disc clamp with an integrated stiffener for hard disc drives. The disc clamp 46 includes a central mounting portion that extends from the center of the disc clamp to a first radius 56. This central mounting portion 54 also includes a plurality of screw holes 58 equally spaced about a circle having a second radius 60 that is less than the first radius 56. The central mounting portion 54 also has a central opening 62. The central mounting portion 54 of the disc clamp 46 is bent downward from the center forming an obtuse conical shape. This conical central mounting portion will be deformed to a flat configuration upon assembly. The disc clamp 46 also includes a stiffening bend 64 immediately outside and defining the extent of the central mounting portion 54. This stiffening bend 64 is actually a compound bend made up of a first bend 66 in the upward direction and a second bend 68 in the downward direction. The

configuration of the two simple bends 66, 68 that make up the stiffening bend 64 are selected, along with the material thickness, such that the stiffening bend 64 forms a portion of the disc clamp 46 that is effectively non-bendable under the intended clamping force. Bronshvatch, 5:34 – 5:59.

Claims 1, 4-7, 9, 10 and 14-17

Amended independent claims 1 and 9 recite: "...the pressing portion and the stress distribution portion are continuously formed." Support for this amendment may be found in at least original claims 4 and 14 and Figure 5 of the present application. In the Office Action in the "Response to Arguments" section on page 5, the Examiner noted that 1st and 2nd screw holes 54 and 56 at differing radii R0 and R1 are not both used for coupling. As shown in Figure 3, when screw holes 54 are utilized, the stress distribution portion is not continuously formed because of screw holes 56 forming gaps in the stress distribution portion. In contrast to claims 1 and 9, the stress applied to the disk 16a in Masayuki is not uniformly distributed in the circumferential direction. As a result, waviness may be generated in the disk 16a so that the flatness of the disk 16a is impaired. The technical feature recited in claims 1 and 9 of a continuously formed pressing portion and stress distribution portion prevents this problem.

Claims 4 and 14 have been cancelled. Claims 5-7, 10 and 15-17 are dependent on one of claims 1 and 9, respectively, and are therefore believed to be allowable for the foregoing reasons.

Withdrawal of the foregoing rejections is requested.

CONCLUSION

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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